C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

4.120.10.a 10 O'Clock (PEER 15) Critical Device & Permit Link Tests

C-A-OPM Procedures in which this Attachment is used.		
4.120.10		

Hand Processed Changes

HPC No.	Date	Page Nos.	Initials

Approved: *Signature on File*

Collider-Accelerator Department Chairman   Date

V. Castillo

4.120.10.a 10 O'Clock (PEER 15) Critical Device & Permit Link Tests

PASS ANNUAL ACCEPTANCE TEST PROTOCOL

Division A Software Filename and Checksum: Title:_____ **Checksum:** _____

Division B Software Filename and Checksum: Title:_____ **Checksum:** _____

<u>**Initial testing complete:**</u>

Test Team Leader's Name (Print): _____   **Life Number:** _____

Test Team Leader's Name (Sign): _____   **Date:** _____/_____/_____

<u>**Acceptance test procedure complete (following repairs and retesting if required):**</u>

Test Team Leader's Name (Print): _____   **Life Number:**_____

Test Team Leader's Name (Sign): _____   **Date:** _____/_____/_____

<u>**Test results reviewed by:**</u>

Safety Section Head's Name (Print):_____   **Life Number:** _____

Safety Section Head's Name (Sign):_____   **Date:** _____/_____/_____

<u>**Test results accepted by Radiation Safety Committee:**</u>

RSC Member's Name (Print):_____   **Life Number:** _____

RSC Member's Name (Sign):_____   **Date:** _____/_____/_____

1.1 Setup and test of Critical Devices and Permit Link response to a loss of PASS enable

	SET	CD **Key switch** for	**XY ARC**
☐	**VERIFY**	CD **Key switch** is set for	**XY ARC**
	PLACE	**Peer 15** in **Mode 8**	
☐	**VERIFY**	**Peer 15** is in **Restricted Access**	**MODE 8**
☐	**VERIFY**	**MCR** sees **RHIC Inj. CD** on CD page	**DISABLED**
☐	**VERIFY**	**MCR** sees Peer 15 **RHIC Injn inhibit Div A** ☐ **& Div B** ☐	**ON**
☐	**VERIFY**	**MCR** sees **RHIC ring CD,** (B/S 1,2, & 3) on CD page	**DISABLED**
☐	**VERIFY**	**MCR** sees Peer 15 **RHIC ring inhibit Div A** ☐ **& Div B** ☐ (BS 1&2)	**ON**
☐	**VERIFY**	**MCR** sees Peer 15 **RHIC Rchback latch Div A** ☐ **& Div B** ☐ (BS3)	**OFF**
☐	**VERIFY**	**MCR** sees **RHIC Permit Link Div A** ☐ **& Div B** ☐	**DISABLED**
	PLACE	**Peer 15** in **Mode 16**	
☐	**VERIFY**	**Peer 15** is in **Controlled Access**	**MODE 16**
☐	**VERIFY**	**Peer 15** gate: 11**GS1** is	**CLOSED**
	RESET	**Peer 15** gates: 9GS1, 9EL1, 9GI1, 9ED1, 10GE1, 10GI1, 10EL1, 10ED1	
☐	**VERIFY**	**Peer 15** gates: ☐ 9GS1, ☐ 9EL1, ☐ 9GI1, ☐ 9ED1, ☐ 10GE1, ☐ 10GI1, ☐ 10EL1, ☐ 10ED1 are	**RESET**
	SWEEP	**Peer 15 Zones:** 9Z1, 10Z1, 10Z2	
☐	**VERIFY**	**Peer 15 Zones:** ☐ 9Z1, ☐ 10Z1, ☐ 10Z2 are	**SWEPT**
	PLACE	**Peer 15** in **Mode 24**	
☐	**VERIFY**	**Peer 15** is in **No Access**	**MODE 24**
☐	**VERIFY**	**MCR** sees **RHIC Inj. CD** on CD page	**DISABLED**
☐	**VERIFY**	**MCR** sees Peer 15 **RHIC Injn inhibit Div A** ☐ **& Div B** ☐	**OFF**
	SET	**RHIC Primary Beamstop command**	**OUT**
☐	**VERIFY**	**RHIC Primary Beamstop command is**	**OUT**
☐	**VERIFY**	**MCR** sees Peer 15 **RHIC ring CD,** (B/S 1,2, & 3)	**DISABLED**
☐	**VERIFY**	**MCR** sees Peer 15 **RHIC ring inhibit Div A** ☐ **& Div B** ☐ (BS 1&2)	**OFF**
☐	**VERIFY**	**MCR** sees Peer 15 **RHIC Rchback latch Div A** ☐ **& Div B** ☐ (BS3)	**OFF**
☐	**VERIFY**	**MCR** sees Peer 15 **RHIC Permit Link Div A** ☐ **& Div B** ☐	**ENABLED**
	TURN	Any key in the **RHIC Key Tree**	
☐	**VERIFY**	**MCR** sees **Peer 15** go to	**MODE 2**
☐	**VERIFY**	**MCR** sees **RHIC Inj. CD** on CD page	**DISABLED**
☐	**VERIFY**	**MCR** sees Peer 15 **RHIC Injn inhibit Div A** ☐ **& Div B** ☐	**ON**

	VERIFY	**MCR** sees **RHIC ring CD,** (B/S 1,2, & 3) on CD page	**DISABLED**
☐	VERIFY	**MCR** sees Peer 15 **RHIC ring inhibit Div A** ☐ & **Div B** ☐ (BS 1&2)	**ON**
☐	VERIFY	**MCR** sees Peer 15 **RHIC Rchback latch Div A** ☐ & **Div B** ☐ (BS3)	**OFF**
☐	VERIFY	**MCR** sees Peer 15 **RHIC Permit Link Div A** ☐ & **Div B** ☐	**DISABLED**
	PLACE	**Peer 15** in **Mode 8**	
☐	VERIFY	**Peer 15** is in **Restricted Access**	**MODE 8**

☐   **Check for acceptance of Setup and test of Critical Devices and Permit Link response to a loss of PASS enable.**

END OF TEST PROCEDURE

TTL: Sign for completion of initial testing: _____

Date: _____/_____/_____

TTL: Sign for completion of final testing: _____

Date: _____/_____/_____